Call for Papers

Concurrency and Computation: Practice and Experience (CCPE)
Editor-in-Chief: Geoffrey C. Fox and David W. Walker
Wiley

Special Issue TIOT2018 on "Towards the Internet of Things of year 2020: Applications and future trends"

Scope and Objectives

Since its introduction, the Internet of Things (IoT) phenomenon has undergone several transformations in its characterizing principles and technologies. With the number of connected devises set to top 11 billion in 2018, it will clearly continue to be an hot research topic.

It is evident that there is a general misunderstanding on its use; such term is often abused and associated to several different meanings.

Such misunderstanding has been amplified by the fact that there is a significant overlapping between the IoT and other important research areas such as smart objects, cyber physical systems, and ambient intelligence, for example.

The IoT can be considered as a conceptual framework including technological, service design and finalizations point of views.

These three aspects have to be considered together at the same time when creating IoT solutions; otherwise the risk is to design a solution belonging to the old domains of pervasive computing, wireless sensor network, M2M, and so on.

In this research area, finding an answer to the question "what IoT is and what it is not" avoids confusions that could lead to the rejection of this paradigm, which instead has the potentials to impact significantly on our current social challenges.

Especially, this issue is open to all on the theme "Towards the Internet of Things of year 2020" and topics from the 5th edition of the

International Workshop on Data Mining on IoT Systems (VICTA 2018) held at Las Palmas de Gran Canaria, Spain (26-29 November 2018).

Topics

We envisage that IoT will continue to evolve as new computing and communication paradigm will arrive at a mature stage, and therefore it is important to research independent IoT solutions of the specified technologies involved, including but not limited to the following aspects:

- *Technological needs* - encompassing existing technologies (and those to come) with their own peculiarities;

- *Finalization needs* - addressing issues with remarkable social impact;

- *Service design needs* - integrates several technologies to convey information from sources that are not only people but also real and virtualized objects;

Important Dates

Submission due: Jan. 1 2019
First round notification: 1 Mar. 2019
Date that revised papers are due: 1 Apr. 2019
Date of final decision notification: 15 May. 2019
Date for submission of final paper: 15 Jun 2019.
Estimated publication date. 2019

Guest Editors

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Submissions must follow these guidelines:

- Submit at [Manuscript central](#) as TIOT2018 special issue

- Submissions should be be prepared for publication according to the journal submission [guidelines](#) but only Latex is accepted. Note Wiley is changing page layout and currently doesn't have a valid template. Check on submission for this.
- The submitted papers must have at least 50% extension from the conference original papers.
- There is a 18 page max length limit (inclusive of figures and table)